



ENTERED

1600

#12

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/700,590A
 DATE: 07/31/2002 P.6
 TIME: 15:17:41

Input Set : A:\pf0526usn_suppseqlist.txt
 Output Set: N:\CRF3\07312002\I700590A.raw

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AUG 06 2002

TECH CENTER 1600/2900

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1 <110> APPLICANT: INCYTE GENOMICS, INC.
2   TANG, Y. Tom
3   LAL, Preeti
4   HILLMAN, Jennifer L.
5   YUE, Henry
6   GUEGLER, Karl J.
7   CORLEY, Neil C.
8   BANDMAN, Olga
9   PATTERSON, Chandra
10  GORGONE, Gina A.
11  KASER, Matthew R.
12  BAUGHN, Mariah R.
13  AU-YOUNG, Janice
15 <120> TITLE OF INVENTION: HUMAN TRANSMEMBRANE PROTEINS
17 <130> FILE REFERENCE: PF-0526 USN
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/700,590A
C--> 20 <141> CURRENT FILING DATE: 2001-04-16
22 <150> PRIOR APPLICATION NUMBER: 60/087,260
W--> 23 <151> PRIOR FILING DATE: 05-29-1998
25 <150> PRIOR APPLICATION NUMBER: 60/091,674
W--> 26 <151> PRIOR FILING DATE: 07-02-1998
28 <150> PRIOR APPLICATION NUMBER: 60/102,954
W--> 29 <151> PRIOR FILING DATE: 10-02-1998
31 <150> PRIOR APPLICATION NUMBER: 60/109,869
W--> 32 <151> PRIOR FILING DATE: 11-24-1998
34 <160> NUMBER OF SEQ ID NOS: 158
35 <170> SOFTWARE: PERL Program
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 240
39 <212> TYPE: PRT
40 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
43 <221> NAME/KEY: misc_feature
44 <223> OTHER INFORMATION: Incyte ID No: 153831
46 <400> SEQUENCE: 1
47 Met Gly Asn Cys Gln Ala Gly His Asn Leu His Leu Cys Leu Ala
48   1           5           10           15
49 His His Pro Pro Leu Val Cys Ala Thr Leu Ile Leu Leu Leu
50           20           25           30
51 Gly Leu Ser Gly Leu Gly Leu Gly Ser Phe Leu Leu Thr His Arg
52           35           40           45
53 Thr Gly Leu Arg Ser Pro Asp Ile Pro Gln Asp Trp Val Ser Phe
54           50           55           60
    
```

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55 Leu Arg Ser Phe Gly Gln Leu Thr Leu Cys Pro Arg Asn Gly Thr
56          65          70          75
57 Val Thr Gly Lys Trp Arg Gly Ser His Val Val Gly Leu Leu Thr
58          80          85          90
59 Thr Leu Asn Phe Gly Asp Gly Pro Asp Arg Asn Lys Thr Arg Thr
60          95          100          105
61 Phe Gln Ala Thr Val Leu Gly Ser Gln Met Gly Leu Lys Gly Ser
62          110          115          120
63 Ser Ala Gly Gln Leu Val Leu Ile Thr Ala Arg Val Thr Thr Glu
64          125          130          135
65 Arg Thr Ala Gly Thr Cys Leu Tyr Phe Ser Ala Val Pro Gly Ile
66          140          145          150
67 Leu Pro Ser Ser Gln Pro Pro Ile Ser Cys Ser Glu Glu Gly Ala
68          155          160          165
69 Gly Asn Ala Thr Leu Ser Pro Arg Met Gly Glu Glu Cys Val Ser
70          170          175          180
71 Val Trp Ser His Glu Gly Leu Val Leu Thr Lys Leu Leu Thr Ser
72          185          190          195
73 Glu Glu Leu Ala Leu Cys Gly Ser Arg Leu Leu Val Leu Gly Ser
74          200          205          210
75 Phe Leu Leu Leu Phe Cys Gly Leu Leu Cys Cys Val Thr Ala Met
76          215          220          225
77 Cys Phe His Pro Arg Arg Glu Ser His Trp Ser Arg Thr Arg Leu
78          230          235          240
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 100
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <223> OTHER INFORMATION: Incyte ID No: 350629
90 <400> SEQUENCE: 2
91 Met Glu Gly Leu Arg Ser Ser Val Glu Leu Asp Pro Glu Leu Thr
92   1          5          10          15
93 Pro Gly Lys Leu Asp Glu Glu Met Val Gly Leu Pro Pro His Asp
94          20          25          30
95 Ala Ser Pro Gln Val Thr Phe His Ser Leu Asp Gly Lys Thr Val
96          35          40          45
97 Val Cys Pro His Phe Met Gly Leu Leu Leu Gly Leu Leu Leu Leu
98          50          55          60
99 Leu Thr Leu Ser Val Arg Asn Gln Leu Cys Val Arg Gly Glu Arg
100          65          70          75
101 Gln Leu Ala Glu Thr Leu His Ser Gln Val Lys Glu Lys Ser Gln
102          80          85          90
103 Leu Ile Gly Lys Lys Thr Asp Cys Arg Asp
104          95          100
106 <210> SEQ ID NO: 3
107 <211> LENGTH: 416
108 <212> TYPE: PRT

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109 <213> ORGANISM: Homo sapiens
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <223> OTHER INFORMATION: Incyte ID No: 729171
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116 Met Ser Gly His Arg Ser Thr Arg Lys Arg Cys Gly Asp Ser His
117 1 5 10 15
118 Pro Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys
119 20 25 30
120 Val Leu Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg
121 35 40 45
122 His Gln Leu Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly
123 50 55 60
124 Arg Ser Leu Leu Glu Pro Leu Val Gln Gly Tyr Trp Glu Trp Leu
125 65 70 75
126 Val Arg Arg Val Pro Ser Trp Ile Ala Pro Asn Leu Ile Thr Ile
127 80 85 90
128 Ile Gly Leu Ser Ile Asn Ile Cys Thr Thr Ile Leu Leu Val Phe
129 95 100 105
130 Tyr Cys Pro Thr Ala Thr Glu Gln Ala Pro Leu Trp Ala Tyr Ile
131 110 115 120
132 Ala Cys Ala Cys Gly Leu Phe Ile Tyr Gln Ser Leu Asp Ala Ile
133 125 130 135
134 Gly Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Ser Pro Leu Gly
135 140 145 150
136 Glu Leu Phe Asp His Gly Cys Asp Ser Leu Ser Thr Val Phe Val
137 155 160 165
138 Val Leu Gly Thr Cys Ile Ala Val Gln Leu Gly Thr Asn Pro Asp
139 170 175 180
140 Trp Met Phe Phe Cys Cys Phe Ala Gly Thr Phe Met Phe Tyr Cys
141 185 190 195
142 Ala His Trp Gln Thr Tyr Val Ser Gly Thr Leu Arg Phe Gly Ile
143 200 205 210
144 Ile Asp Val Thr Glu Val Gln Ile Phe Ile Ile Ile Met His Leu
145 215 220 225
146 Leu Ala Val Met Gly Gly Pro Pro Phe Trp Gln Ser Met Ile Pro
147 230 235 240
148 Val Leu Asn Ile Gln Met Lys Ile Phe Pro Ala Leu Cys Thr Val
149 245 250 255
150 Ala Gly Thr Ile Phe Pro Val Thr Asn Tyr Phe Arg Val Ile Phe
151 260 265 270
152 Thr Gly Gly Val Gly Lys Asn Gly Ser Thr Ile Ala Gly Thr Ser
153 275 280 285
154 Val Leu Ser Pro Phe Leu His Ile Gly Ser Val Ile Thr Leu Ala
155 290 295 300
156 Ala Met Ile Tyr Lys Lys Ser Ala Val Gln Leu Phe Glu Lys His
157 305 310 315
158 Pro Cys Leu Tyr Ile Leu Thr Phe Gly Phe Val Ser Ala Lys Ile
159 320 325 330

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160 Thr Asn Lys Leu Val Val Ala His Met Thr Lys Ser Glu Met His
161                               335                               340                               345
162 Leu His Asp Thr Ala Phe Ile Gly Pro Ala Leu Leu Phe Leu Asp
163                               350                               355                               360
164 Gln Tyr Phe Asn Ser Phe Ile Asp Glu Tyr Ile Val Leu Trp Ile
165                               365                               370                               375
166 Ala Leu Val Phe Ser Phe Phe Asp Leu Ile Arg Tyr Cys Val Ser
167                               380                               385                               390
168 Val Cys Asn Gln Ile Ala Ser His Leu His Ile His Val Phe Arg
169                               395                               400                               405
170 Ile Lys Val Ser Thr Ala His Ser Asn His His
171                               410                               415
173 <210> SEQ ID NO: 4
174 <211> LENGTH: 224
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <223> OTHER INFORMATION: Incyte ID No: 1273641
182 <400> SEQUENCE: 4
183 Met Thr Ile Thr Ser Phe Tyr Ala Val Cys Phe Tyr Leu Leu Met
184   1                               5                               10                               15
185 Leu Val Met Val Glu Gly Phe Gly Gly Lys Glu Ala Val Leu Arg
186                               20                               25                               30
187 Thr Leu Arg Asp Thr Pro Met Met Val His Thr Gly Pro Cys Cys
188                               35                               40                               45
189 Cys Cys Cys Pro Cys Cys Gln Arg Leu Leu Leu Thr Arg Lys Lys
190                               50                               55                               60
191 Leu Gln Leu Leu Met Leu Gly Pro Phe Gln Tyr Ala Phe Leu Lys
192                               65                               70                               75
193 Ile Thr Leu Thr Trp Trp Ala Leu Phe Ser Ser Pro Thr Glu Ser
194                               80                               85                               90
195 Tyr Asp Pro Ala Asp Ile Ser Glu Gly Ser Thr Ala Leu Trp Ile
196                               95                               100                              105
197 Asn Thr Phe Leu Gly Val Ser Thr Leu Leu Ala Leu Trp Thr Leu
198                               110                              115                              120
199 Gly Ile Ile Ser Arg Gln Ala Arg Leu His Leu Gly Glu Gln Asn
200                               125                              130                              135
201 Met Gly Ala Lys Phe Ala Leu Phe Gln Val Leu Leu Ile Leu Thr
202                               140                              145                              150
203 Ala Leu Gln Pro Ser Ile Phe Ser Val Leu Ala Asn Gly Gly Gln
204                               155                              160                              165
205 Ile Ala Cys Ser Pro Pro Tyr Ser Ser Lys Thr Arg Ser Gln Val
206                               170                              175                              180
207 Met Asn Cys His Leu Leu Ile Leu Glu Thr Phe Leu Met Thr Val
208                               185                              190                              195
209 Leu Thr Arg Met Tyr Tyr Arg Arg Lys Asp His Lys Val Gly Tyr
210                               200                              205                              210
211 Glu Thr Phe Ser Ser Pro Asp Leu Asp Leu Asn Leu Lys Ala

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Input Set : A:\pf0526usn_suppseqlist.txt

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212                215                220
214 <210> SEQ ID NO: 5
215 <211> LENGTH: 247
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <223> OTHER INFORMATION: Incyte ID No: 1427389
223 <400> SEQUENCE: 5
224 Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly
225 1 5 10 15
226 Pro Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu
227 20 25 30
228 Arg Val Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser
229 35 40 45
230 Leu Leu Leu Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr
231 50 55 60
232 Asp Arg Ser Asp Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly
233 65 70 75
234 Ala Ala Val Ser Val Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr
235 80 85 90
236 Tyr Lys Leu Leu Lys Lys Ala Asp Glu Gly Leu Ala Ser Leu Ser
237 95 100 105
238 Glu Asp Gly Arg Ser Pro Ile Ser Ile Arg Gln Met Ala Tyr Val
239 110 115 120
240 Ser Gly Leu Ser Phe Gly Ile Ile Ser Gly Val Phe Ser Val Ile
241 125 130 135
242 Asn Ile Leu Ala Asp Ala Leu Gly Pro Gly Val Val Gly Ile His
243 140 145 150
244 Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser Ala Phe Leu Thr Ala
245 155 160 165
246 Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val Val Phe Phe Asp
247 170 175 180
248 Ala Cys Glu Arg Arg Arg Tyr Trp Ala Leu Gly Leu Val Val Gly
249 185 190 195
250 Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro Trp Tyr
251 200 205 210
252 Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met Gly
253 215 220 225
254 Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln
255 230 235 240
256 Arg Ser Leu Leu Cys Lys Asp
257 245
259 <210> SEQ ID NO: 6
260 <211> LENGTH: 72
261 <212> TYPE: PRT
262 <213> ORGANISM: Homo sapiens
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/31/2002
PATENT APPLICATION: US/09/700,590A TIME: 15:17:42

Input Set : A:\pf0526usn_suppseqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; Xaa Pos. 434
Seq#:101; N Pos. 2084,2101,2110,2128,2137,2156,2177,2226,2265,2296,2303
Seq#:101; N Pos. 2310,2325
Seq#:102; N Pos. 1346,1373,1430
Seq#:119; N Pos. 1032,1037,1042
Seq#:120; N Pos. 1893,1896,1899,1906,1911,1921,1926,1927,1928,1929,1932
Seq#:120; N Pos. 1935,1940,1948,1950,1951,1953
Seq#:134; N Pos. 814

VERIFICATION SUMMARY

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DATE: 07/31/2002

TIME: 15:17:42

Input Set : A:\pf0526usn_suppseqlist.txt

Output Set: N:\CRF3\07312002\I700590A.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:23 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:26 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:32 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:1003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:420
L:4297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2040
L:4298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2100
L:4299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2160
L:4300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2220
L:4301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:2280
L:4340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:1320
L:4341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:1380
L:4944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:1020
L:4993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:1860
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:1920
L:5477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:780